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ARTICLE 14. TRAUMA REGISTRY; TRAUMA SYSTEM QUALITY ASSURANCE

R9-25-1401. Definitions

The following definitions apply in this Article, unless otherwise specified:

1. “Aggregate trauma data” means a collection of data from the trauma registry that is compiled so that it is not possible to identify a particular trauma patient, trauma patient’s family, health care provider, or health care institution.
2. “AIS” means abbreviated injury scale, an anatomic severity scoring system established in Association for the Advancement of Automotive Medicine Committee on Injury Scaling, *Abbreviated Injury Scale (AIS) 1990: Update 98* (1998), incorporated by reference, including no future editions or amendments, and available from Association for the Advancement of Automotive Medicine, P.O. Box 4176, Barrington, IL 60011-4176, and www.carcrash.org.
3. “ALS base hospital” has the same meaning as in R9-25-101.
4. “Case” means a patient who meets R9-25-1402(A)(1), (2), or (3).
5. “Data element” means a categorized piece of information.
6. “Data set” means a collection of data elements that includes, for each case, data that complies with the field names, field types, and field widths prescribed in Table 1.
7. “Department” means the Arizona Department of Health Services.
8. “ED” means “Emergency department” means, an organized area of a health care institution dedicated for use in providing emergency services, as defined in A.A.C. R9-10-201.
9. “EMS” has the same meaning as “emergency medical services” in A.R.S. § 36-2201.
- ~~9.10.~~ “EMS provider” has the same meaning as “emergency medical services provider” in A.R.S. § 36-2201.
- ~~10.~~ “Field name” means a descriptor for the data elements to be located in a specific data field.
- ~~11.~~ “Field type” means the kind of input that may be entered into a data field, including character (may be letters or numbers or both), numeric, date, and time.
- ~~12.~~ “Field width” means the maximum number of spaces available for input in a data field.
11. “GCS” means Glasgow Coma Scale, a scoring system that defines eye, motor, and verbal responses in the patient with injury to the brain.
- ~~13.12.~~ “Health care institution” has the same meaning as in A.R.S. § 36-401.
- ~~14.13.~~ “Health care provider” means a caregiver involved in the delivery of trauma services to a patient, whether in the prehospital, hospital, or rehabilitation phase of care.
- ~~15.14.~~ “Hospital” has the same meaning as in A.A.C. R9-10-201.
- ~~16.15.~~ “ICD-9-CM” has the same meaning as in A.A.C. R9-4-101.

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~~17~~16. “ICD-9-CM E-code” means a numeral assigned to identify the possible external cause of an injury.

~~18~~17. “ICD-9-CM N-code” means a numeral assigned to identify the nature of an injury.

~~19~~18. “Injury” means physical damage to a part of the human body.

~~20~~. ~~“Inpatient” has the same meaning as in A.A.C. R9-10-201.~~

~~21~~19. “ISS” has the same meaning as in R9-25-1301.

~~22~~20. “Organized service unit” means an area of a health care institution dedicated for use in providing an organized service, as defined in A.A.C. R9-10-201.

~~23~~21. “Owner” has the same meaning as in R9-25-1301.

~~24~~22. “Patient” means an individual who is sick, injured, wounded, or dead and who requires medical monitoring, medical treatment, or transport.

~~25~~23. “Scene” means a location, other than a health care institution, from which a patient is transported.

~~26~~24. “Submitting health care institution” means a health care institution that submits data to the trauma registry as provided in R9-25-1402.

~~27~~25. “Trauma center” means a health care institution that meets the definition of “trauma center” in A.R.S. § 36-2201 or the definition of “trauma center” in A.R.S. § 36-2225.

~~28~~26. “Trauma registry” has the same meaning as in A.R.S. § 36-2201.

~~29~~27. “Trauma service unit” means an area of a health care institution dedicated for use in providing trauma services.

~~30~~28. “Trauma team” means a group of health care providers organized to provide care to trauma patients.

~~31~~29. “Trauma team activation” means notification of trauma team members in response to triage information received concerning a patient with injury or suspected injury.

~~32~~30. “Trauma triage protocol” means a “triage protocol,” as defined in R9-25-101, specifically designed for use with patients with injury.

R9-25-1402. Data Submission Requirements

A. An owner of a trauma center shall ensure that the data set identified in Table 1 is submitted to the Department, as prescribed in subsection (B), for each patient meeting one or more of the following criteria:

1. A patient with injury or suspected injury who is triaged from a scene to a trauma center or ~~emergency department~~ ED based upon the responding EMS provider’s trauma triage protocol;
2. A patient with injury or suspected injury for whom a trauma team activation occurs; or

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3. A patient with injury ~~who is admitted or who dies,~~ who has an ICD-9-CM N-code between 800.00 and 959.9, and who does not ~~only have:~~
 - ~~a. Have any of the following ICD-9-CM N codes:~~
 - a. ~~i. Late effects of injury, as demonstrated by an ICD-9-CM N-code between 905 through and 909.9;~~
 - b. ~~ii. Superficial injury, as demonstrated by an ICD-9-CM N-code between 910 through and 924.9; or~~
 - c. ~~iii. Foreign bodies, as demonstrated by an ICD-9-CM N-code between 930 and 939.9;~~
 - ~~b.d. Have an An isolated hip femoral neck fracture from a same-level fall, as demonstrated by:~~
 - i. An ICD-9-CM N-code between 820 and 820.9, and
 - ii. An ICD-9-CM E-code between E885 and E885.9 or between E888 and E888.9; or
 - ~~c.c. Have an An isolated distal extremity fracture from a same-level fall, as demonstrated by:~~
 - i. An ICD-9-CM N-code between 813 and 819 or between 823 and 827, and
 - ii. An ICD-9-CM E-code between E885 and E885.9 or between E888 and E888.9.

B. An owner of a trauma center shall submit the data required under subsection (A) to the Department:

1. On a quarterly basis according to the following schedule:
 - a. For cases identified between January 1 and March 31, so that it is received by the Department by July 1 of the same calendar year;
 - b. For cases identified between April 1 and June 30, so that it is received by the Department by October 1 of the same calendar year;
 - c. For cases identified between July 1 and September 30, so that it is received by the Department by January 2 of the following calendar year; and
 - d. For cases identified between October 1 and December 31, so that it is received by the Department by April 1 of the following calendar year; ~~and~~
2. Through an electronic reporting system authorized by the Department ~~or on a compact disc that;~~

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3. ~~a. Contains all of the data required under subsection (A), downloaded from the trauma center's trauma registry, in~~ In a format that allows the Department to upload the data to the Arizona State Trauma Registry and view the data; and
4. Along with the following information:
 - ~~b. Is labeled with the name of the trauma center, the quarter for which data is being submitted, the case date range, and the total number of cases for which data is included;~~
 - ~~c. Is accompanied by a completed Trauma Data Quarterly Submission Form that includes:~~
 - ~~a. i. The name and physical address of the trauma center;~~
 - ~~b. ii. The date the trauma data is being submitted to the Department;~~
 - ~~iii. The number of compact discs being submitted;~~
 - ~~c. iv. The total number of cases for whom trauma data is included being submitted;~~
 - ~~d. v. The quarter for which trauma data is being reported submitted, including identification of the months and calendar year;~~
 - ~~e. vi. The name, title, phone number, and fax number, and e-mail address of the trauma center's point of contact for the trauma data; and~~
 - ~~vii. The signature of the trauma center's point of contact for the trauma data; and~~
 - ~~f. viii. Any special instructions or comments to the Department from the trauma center's point of contact to the Department; and~~
 - ~~d. Is sent to the attention of or hand-delivered to the Trauma Registry Manager at the Department.~~

C. An ALS base hospital certificate holder that chooses to submit trauma data to the Department, as provided in A.R.S. § 36-2221, shall comply with the data submission requirements in this Section for an owner of a trauma center.

Table 1. Trauma Registry Data Set

KEY:

Required for TC Levels I, II, and III = An owner of a hospital designated as a Level I, Level II, or Level III trauma center shall include these data elements in the data submission required under R9-25-1402.

Required for TC Level IV, Non-Designated TC, and ALS Base Hospital = An owner of a health care institution designated as a Level IV trauma center; an owner of a trauma center, as defined in A.R.S. § 36-2201, that is not a designated trauma center; or an ALS base hospital certificate holder that submits

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trauma data as provided under A.R.S. § 36-2221 shall include these data elements in the data submission required under R9-25-1402.

* = Only required for Level I trauma centers.

| <u>Field Name</u> | <u>Field Name/Data Element Description</u> | <u>Field Type</u> | <u>Field Width</u> | <u>Required for TC Levels I, II, and III</u> | <u>Required for TC Level IV, Non-Designated TC, and ALS Base Hospital</u> |
|----------------------------------|---|-------------------|--------------------|--|---|
| DEMOGRAPHIC DATA ELEMENTS | | | | | |
| | <u>Reporting Facility Site ID</u> | | | X | X |
| <u>EMRNUM</u> | <u>Registration Number</u> | <u>Character</u> | <u>15</u> | X | X |
| <u>MEDRECNUM</u> | <u>Medical Record Number</u> | <u>Character</u> | <u>15</u> | X | X |
| <u>ADMDATE</u> | <u>Hospital Admission Date</u> | <u>Date</u> | <u>8</u> | X | X |
| <u>ENTRYMODE</u> | <u>Site ID</u> | <u>Character</u> | <u>8</u> | X | X |
| <u>LASTNAME</u> | <u>Patient Last Name</u> | <u>Character</u> | <u>25</u> | X | X |
| <u>FIRSTNAME</u> | <u>Patient First Name</u> | <u>Character</u> | <u>12</u> | X | X |
| <u>MIDINIT</u> | <u>Patient Middle Initial</u> | <u>Character</u> | <u>1</u> | X | X |
| <u>PT_SSN</u> | <u>Social Security Number</u> | <u>Character</u> | <u>11</u> | X | X |
| <u>BIRTHDAY</u> | <u>Patient Date of Birth</u> | <u>Date</u> | <u>8</u> | X | X |
| <u>AGE</u> | <u>Patient Age</u> | <u>Numeric</u> | <u>3</u> | X | X |
| <u>AGE_UNIT</u> | <u>Units of Age</u> | <u>Character</u> | <u>2</u> | X | X |
| <u>SEX</u> | <u>Gender</u> | <u>Character</u> | <u>1</u> | X | X |
| <u>RACE</u> | <u>Race</u> | <u>Character</u> | <u>16</u> | X | X |
| <u>ETHNICITY</u> | <u>Ethnicity</u> | <u>Character</u> | <u>1</u> | X | X |
| <u>PT_ZIP</u> | <u>Zip Code of Residence</u> | <u>Character</u> | <u>6</u> | X | |
| <u>PT_CITY</u> | <u>City of Residence</u> | <u>Character</u> | <u>15</u> | X | |
| <u>PT_CNTY</u> | <u>County of Residence</u> | <u>Character</u> | <u>9</u> | X | |
| <u>PT_STATE</u> | <u>State of Residence</u> | <u>Character</u> | <u>3</u> | X | |
| <u>PT_CNTRY</u> | <u>Country of Residence</u> | <u>Character</u> | <u>3</u> | X | |
| | <u>Alternate Home Residence</u> | | | X | |
| <u>PRE_HIST</u> | <u>Pre-existing Co-Morbid Conditions (Pre-Existing)</u> | <u>Character</u> | <u>22</u> | X | |
| INJURY DATA ELEMENTS | | | | | |
| <u>FL_ENT_DT</u> | <u>Date of Injury Date</u> | <u>Date</u> | <u>8</u> | X | X |
| <u>FL_ENT_TM</u> | <u>Time of Injury Time</u> | <u>Time</u> | <u>6</u> | X | X |
| <u>INI_ST_TYP</u> | <u>Actual versus Estimated Time of Injury Time</u> | <u>Character</u> | <u>2</u> | X | |
| <u>SITE_CLASS</u> | <u>Injury Location ICD-9-CM E-code (E849) Place of Occurrence</u> | <u>Character</u> | <u>2</u> | X | X |
| <u>INI_STR1</u> | <u>Primary Street Location of Injury</u> | <u>Character</u> | <u>40</u> | X | |
| <u>INI_ZIP</u> | <u>Zip Code of Injury</u> | <u>Character</u> | <u>6</u> | X | |
| <u>INI_CITY</u> | <u>City of Injury</u> | <u>Character</u> | <u>15</u> | X | |
| <u>INI_CNTY</u> | <u>County of Injury</u> | <u>Character</u> | <u>9</u> | X | |
| <u>INI_STATE</u> | <u>State of Injury</u> | <u>Character</u> | <u>3</u> | X | |

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|----------------------------------|---|----------------------|--------------------|--|---|
| ECODE ICD9 | Primary ICD-9-CM E-code Injury Descriptor | Character | 6 | X | X |
| | Additional ICD-9-CM E-code Injury Descriptor | | | X | |
| INJ_CLASS | Injury Classification Trauma Type | Character | 1 | X | |
| JOB_RELTD | Work-relatedness of Injury Related | Character | 1 | X | |
| | Patient Occupational Industry | | | X | |
| | Patient Occupation | | | X | |
| PAT_POS | Patient Position in Vehicle | Character | 30 | X | |
| PROTECTIVE | Protective Devices-Used | Character | 15 | X | X |
| | Child Specific Restraint | | | X | |
| | Airbag Deployment | | | X | |
| DESCRIPTIO | Safety Equipment Issues | Character | 40 | X | |
| PREHOSPITAL DATA ELEMENTS | | | | | |
| | Transport Mode | | | X | |
| | Other Transport Mode | | | X | |
| TRANS_AGNT | Transport Agency | Character | 15 | X | |
| RUN_SHEET | Run Sheet Available? | Character | 1 | X | |
| RS_DATE | Run Sheet Date | Date | 8 | X | |
| BYP_HOSP | Transported From (Facility) | Character | 15 | X | |
| CALL_DATE | Date EMS Provider Called/Notified | Date | 8 | X | |
| CALL_TIME | Time EMS Provider Called/Notified | Time | 6 | X | |
| DEPRT_TIME | Time EMS Provider Left for Scene | Time | 6 | X | |
| ARRIV_TIME | Time EMS Provider Arrived at Scene | Time | 6 | X | |
| BSCNT_TIME | EMS Patient Contact Time | Time | 6 | X | |
| EXIT_TIME | Time EMS Provider Departed Scene | Time | 6 | X | |
| DEST_TIME | Time of Arrival at Final Destination | Time | 6 | X | |
| ACT_DEST | Actual-Destination Facility | Character | 15 | X | |
| | Total EMS Response Time (Minutes) | | | X | |
| SCENE_TM | Total EMS Scene Time (mMinutes) | Numeric | 5 | X | |
| TRANS_TM | Transport Time to Facility (mMinutes) | Numeric | 5 | X | |
| | Total EMS Time (Minutes) | | | X | |
| SYS_ACCES | System Access | Character | 15 | X | |
| TRIAGE CRT | Triage Criteria | Character | 25 | X | X |
| DT | Date of Measurement of Vital Signs | Date | 8 | X | |
| TIME | Time of Measurement of Vital Signs | Time | 6 | X | |
| | Initial Field Pulse Rate | | | X | |
| RESP_RATE | Unassisted Initial Field Respiratory Rate | Numeric | 3 | X | |
| | Initial Field Oxygen Saturation | | | X | |
| | Field Intubation Status | | | X | |

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|---|---|-------------------|--------------------|--|---|
| | <u>Field Airway Management Details</u> | | | <u>X</u> | |
| <u>INTUBATE</u> | <u>Intubated?</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| | <u>Field Paralytic Agent in Effect</u> | | | <u>X</u> | |
| <u>SBP</u> | <u>Initial Field Systolic Blood Pressure</u> | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| <u>EO</u> | <u>Initial Field GCS - Eye Opening</u> | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>VR</u> | <u>Initial Field GCS - Verbal Response</u> | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>MR</u> | <u>Initial Field GCS - Motor Response</u> | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>GCS</u> | <u>Glasgow Coma Score Initial Field GCS - Total</u> | <u>Numeric</u> | <u>2</u> | <u>X</u> | |
| <u>PAR_AGENT</u> | <u>Paralytic Status</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| | <u>Initial Field GCS Assessment Qualifiers</u> | | | <u>X</u> | |
| <u>RTS</u> | <u>Field Revised Trauma Score</u> | <u>Numeric</u> | <u>7-2</u> | <u>X</u> | |
| TRAUMA DATA ELEMENTS (REFERRING/TRANSFER HOSPITAL) | | | | | |
| | <u>Interfacility Transfer</u> | | | <u>X</u> | |
| <u>ENT_DATE</u> | <u>Date of Arrival at First Referring Hospital</u> | <u>Date</u> | <u>8</u> | <u>X</u> | |
| <u>ENT_TIME</u> | <u>Time of Arrival at First Referring Hospital</u> | <u>Time</u> | <u>6</u> | <u>X</u> | |
| <u>EXIT_DATE</u> | <u>Date of Transfer from First Referring Hospital</u> | <u>Date</u> | <u>8</u> | <u>X</u> | |
| <u>EXIT_TIME</u> | <u>Time of Transfer from First Referring Hospital</u> | <u>Time</u> | <u>6</u> | <u>X</u> | |
| <u>TRANS_AGENT</u> | <u>Transport Agency (from First Referring)</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>REF_HOSP</u> | <u>Transferring Facility (First Referring)</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>REF_STAT</u> | <u>Facility Type (First Referring)</u> | <u>Character</u> | <u>9</u> | <u>X</u> | |
| <u>LOS</u> | <u>Length of Stay (Hrs) in First Referring Hospital (Hours)</u> | <u>Numeric</u> | <u>4</u> | <u>X</u> | |
| <u>ACT_DEST</u> | <u>Destination Facility</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>ENT_DATE</u> | <u>Date of Arrival at Second Referring Hospital (2nd)</u> | <u>Date</u> | <u>8</u> | <u>X</u> | |
| <u>ENT_TIME</u> | <u>Time of Arrival at Second Referring Hospital (2nd)</u> | <u>Time</u> | <u>6</u> | <u>X</u> | |
| <u>EXIT_DATE</u> | <u>Date of Transfer from Second Referring Hospital (2nd)</u> | <u>Date</u> | <u>8</u> | <u>X</u> | |
| <u>EXIT_TIME</u> | <u>Time of Transfer from Second Referring Hospital (2nd)</u> | <u>Time</u> | <u>6</u> | <u>X</u> | |
| <u>TRANS_AGENT</u> | <u>Transport Agency (from Second Referring) (2nd)</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>REF_HOSP</u> | <u>Transferring Facility (2nd) (Second Referring)</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>REF_HOSP</u> | <u>Facility Type (2nd) (Second Referring)</u> | <u>Character</u> | <u>9</u> | <u>X</u> | |
| <u>LOS</u> | <u>Length of Stay in 2nd Second Referring</u> | <u>Numeric</u> | <u>4</u> | <u>X</u> | |

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|--|---|-------------------|--------------------|--|---|
| | Hospital (Hours) | | | | |
| <u>ACT_DEST</u> | Actual Destination <u>Facility (2nd)</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>VS_DESIGN</u> | Vital Signs Designation (<u>1st or 2nd</u> If First or Second Referring) | <u>Character</u> | <u>1</u> | <u>X</u> | |
| <u>RESP_RATE</u> | <u>Unassisted</u> Initial Respiratory Rate in Referring Facility | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| <u>SBP</u> | Initial Systolic Blood Pressure in Referring Facility | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| <u>GCS</u> | <u>Glasgow Coma Score</u> Initial GCS Total in Referring Facility | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| <u>RTS</u> | Initial Revised Trauma Score in Referring Facility | <u>Numeric</u> | <u>7-2</u> | <u>X</u> | |
| <u>EMERGENCY DEPARTMENT ED/TRAUMA DATA ELEMENTS</u> | | | | | |
| <u>TR_ENT_DT</u> | Date of Arrival in Emergency Department ED/Hospital Arrival Date | <u>Date</u> | <u>8</u> | <u>X</u> | <u>X</u> |
| <u>TR_ENT_TM</u> | Time of Arrival in Emergency Department ED/Hospital Arrival Time | <u>Time</u> | <u>6</u> | <u>X</u> | <u>X</u> |
| <u>TR_EXIT_DT</u> | Emergency Department ED Exit Date | <u>Date</u> | <u>8</u> | <u>X</u> | <u>X</u> |
| <u>TR_EXIT_TM</u> | Emergency Department ED Exit Time | <u>Time</u> | <u>6</u> | <u>X</u> | <u>X</u> |
| <u>TR_LOS</u> | Hospital Length of Stay (<u>Hrs</u>) in Emergency Department ED (Hours) | <u>Numeric</u> | <u>4</u> | <u>X</u> | <u>X</u> |
| <u>ACT_TIME</u> | Complete Trauma Team Arrival Time | <u>Time</u> | <u>6</u> | <u>X</u> | |
| <u>TR_DISPO</u> | Disposition from Emergency Department ED Discharge Disposition | <u>Character</u> | <u>10</u> | <u>X</u> | <u>X</u> |
| <u>ETOH_LEVEL</u> | Blood Alcohol <u>mg/dl</u> | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| | ED/Hospital Initial Pulse Rate | | | <u>X</u> | |
| <u>RESP_RATE</u> | <u>Unassisted</u> ED/Hospital Initial Respiratory Rate | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| | ED/Hospital Initial Respiratory Assistance | | | <u>X</u> | |
| <u>INTUBATED</u> | Intubation Status at Time of Vital Signs | <u>Character</u> | <u>1</u> | <u>X</u> | |
| | ED/Hospital Initial Oxygen Saturation | | | <u>X</u> | |
| | ED/Hospital Initial Supplemental Oxygen | | | <u>X</u> | |
| | ED/Hospital Intubation Status | | | <u>X</u> | |
| | ED/Hospital Paralytic Agent in Effect | | | <u>X</u> | |
| <u>SBP</u> | ED/Hospital Initial Systolic Blood Pressure | <u>Numeric</u> | <u>3</u> | <u>X</u> | |
| <u>EO</u> | ED/Hospital Initial GCS - Eye Opening | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>VR</u> | ED/Hospital Initial GCS - Verbal Response | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>MR</u> | ED/Hospital Initial GCS - Motor Response | <u>Numeric</u> | <u>1</u> | <u>X</u> | |
| <u>GCS</u> | <u>Glasgow Coma Score</u> ED/Hospital Initial GCS - Total | <u>Numeric</u> | <u>3</u> | <u>X</u> | |

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| <u>Field Name</u> | <u>Field Name/Data Element Description</u> | <u>Field Type</u> | <u>Field Width</u> | <u>Required for TC Levels I, II, and III</u> | <u>Required for TC Level IV, Non-Designated TC, and ALS Base Hospital</u> |
|--------------------------------|---|-------------------|--------------------|--|---|
| | <u>ED/Hospital Initial GCS Assessment Qualifiers</u> | | | <u>X</u> | |
| <u>PAR_AGENT</u> | <u>Paralytic Agent in Effect</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| <u>TEMP</u> | <u>ED/Hospital Initial Temperature—Emergency Department</u> | <u>Numeric</u> | <u>6.1</u> | <u>X</u> | |
| <u>TEMP_UNITS</u> | <u>ED/Hospital Initial Units of Temperature</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| <u>TEMP_LOC</u> | <u>ED/Hospital Initial Temperature Route—Emergency Department</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>RTS</u> | <u>ED/Hospital Initial Revised Trauma Score</u> | <u>Numeric</u> | <u>7.2</u> | <u>X</u> | |
| | <u>Alcohol Use Indicator</u> | | | <u>X</u> | |
| | <u>Blood Alcohol Content (mg/dl)</u> | | | <u>X</u> | |
| | <u>Drug Use Indicator</u> | | | <u>X</u> | |
| <u>DRUG_SCREEN</u> | <u>Toxicology Findings</u> | <u>Character</u> | <u>20</u> | <u>X</u> | |
| <u>SUBSTANCE</u> | <u>Toxicology Substances Found</u> | <u>Character</u> | <u>20</u> | <u>X</u> | |
| DISCHARGE DATA ELEMENTS | | | | | |
| <u>PH_ENT_DT</u> | <u>Date of Hospital Discharge Date</u> | <u>Date</u> | <u>8</u> | <u>X</u> | <u>X</u> |
| | <u>Hospital Discharge Time</u> | | | <u>X</u> | <u>X</u> |
| | <u>Hospital Admission Status</u> | | | <u>X</u> | <u>X</u> |
| <u>LOS</u> | <u>Hospital Admission Length of Stay (Days)</u> | <u>Numeric</u> | <u>4</u> | <u>X</u> | <u>X</u> |
| | <u>Total Length of Hospital Stay – ED plus Admission (Days)</u> | | | <u>X</u> | |
| <u>FNL_OUTCM</u> | <u>Final Outcome - Dead or Alive</u> | <u>Character</u> | <u>1</u> | <u>X</u> | <u>X</u> |
| <u>LOS</u> | <u>Length of Stay in ICU Intensive Care Unit (Days)</u> | <u>Numeric</u> | <u>4</u> | <u>X</u> | <u>X</u> |
| | <u>Total Ventilator Days</u> | | | <u>X</u> | |
| <u>DISCHG_TO</u> | <u>Hospital Discharge Disposition</u> | <u>Character</u> | <u>25</u> | <u>X</u> | <u>X</u> |
| <u>AUTOP_IDNO</u> | <u>Autopsy Identification Number</u> | <u>Character</u> | <u>10</u> | <u>X</u> | |
| <u>INJ_COMP</u> | <u>Injury Diagnoses - ICD-9-CM N-codes</u> | <u>Character</u> | <u>6</u> | <u>X</u> | <u>X</u> |
| | <u>AIS Six-Digit Injury Identifier</u> | | | <u>X*</u> | |
| <u>AIS</u> | <u>AIS 90 Value AIS Severity Code</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| <u>AIS_CODE</u> | <u>AAAM Code (AIS 90)</u> | <u>Character</u> | <u>6</u> | <u>X</u> | |
| <u>BODY_PART</u> | <u>AIS Body Part Injured Region of Injury</u> | <u>Character</u> | <u>1</u> | <u>X</u> | |
| <u>ISS</u> | <u>Injury Severity Score</u> | <u>Numeric</u> | <u>2</u> | <u>X</u> | <u>X</u> |
| <u>PROB_SURV</u> | <u>Probability of Survival</u> | <u>Numeric</u> | <u>6.3</u> | <u>X</u> | |
| | <u>ED/Hospital Procedure Location</u> | | | <u>X</u> | |
| | <u>ED/Hospital Procedure Start Date</u> | | | <u>X</u> | |
| | <u>ED/Hospital Procedure Start Time</u> | | | <u>X</u> | |
| <u>PHASE_COPY</u> | <u>Location of Procedure</u> | <u>Character</u> | <u>3</u> | <u>X</u> | |
| <u>PROC_ICD9</u> | <u>ED/Hospital ICD-9-CM Procedure Performed Codes</u> | <u>Character</u> | <u>6</u> | <u>X</u> | |

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|-------------------|---|-------------------|--------------------|--|---|
| <u>NINJ_NTDB</u> | <u>Class of Non-Injury Hospital Complications</u> | <u>Character</u> | <u>4</u> | <u>X</u> | |
| <u>PAYOR</u> | <u>Primary Payer Method of Payment</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>PAYOR</u> | <u>Secondary Payer Method of Payment</u> | <u>Character</u> | <u>15</u> | <u>X</u> | |
| <u>T_HOS_CHRG</u> | <u>Total Hospital Charges</u> | <u>Numeric</u> | <u>12.2</u> | <u>X</u> | |
| <u>T_HOS_RECP</u> | <u>Total Reimbursements</u> | <u>Numeric</u> | <u>12.2</u> | <u>X</u> | |

R9-25-1403. Trauma System Data Reports; Requests for Trauma Registry Reports

A. Each quarter, the The Department shall produce and disseminate to each submitting health care institution a quarterly trauma system data report that includes statewide aggregate trauma data. for the prior quarter for at least the following data elements:

1. Number of health care institutions reporting data;
2. Total number of cases reported for the quarter;
3. Patient ages, including mean and median;
4. Patient gender;
5. Time of injury;
6. Day of week of injury;
7. Triage criteria;
8. Place of occurrence of injury;
9. ICD-9-CM E-code;
10. ICD-9-CM N-code;
11. Protective devices used, by type of injury;
12. Disposition from emergency department;
13. Hospital discharge disposition;
14. Length of hospital stay;
15. Number of days in intensive care unit;
16. Final outcome;
17. ISS scores/mortality; and
18. Deaths by ISS score and age.

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- B.** A person may request to receive a report containing statewide aggregate trauma data for data elements not included in the quarterly trauma system data report by submitting a written public records request to the Department as provided in A.A.C. R9-1-303.
- C.** The Department shall process a request for a report submitted under subsection (B) as provided in A.A.C. R9-1-303.
- D.** As provided in A.R.S. § 36-2220(A)(1), Trauma Registry data from which a patient, the patient's family, or the patient's health care provider or facility might be identified is confidential and is not available to the public.

R9-25-1404. Retention of Reports and Requests for Reports

The Department shall retain copies of each quarterly trauma system data report, request for a report submitted under R9-25-1403(B), and report generated under R9-25-1403(B) for at least 10 years after the date of the report or request for a report.

R9-25-1405. Confidentiality and Retention of Trauma System Quality Assurance Data

- A.** As provided in A.R.S. §§ 36-2220(A)(2) and 36-2403(A), all data and documents obtained by the Department or considered by the Department, the State Trauma Advisory Board, or a State Trauma Advisory Board subcommittee for purposes of trauma system quality assurance are confidential and are not available to the public.
- B.** The Department shall ensure that:
 - 1. Each member of the State Trauma Advisory Board or member of a State Trauma Advisory Board subcommittee who will have access to the data and documents described in subsection (A) executes a written confidentiality statement before being allowed access to the data and documents;
 - 2. All trauma system quality assurance activities are completed in executive session during State Trauma Advisory Board or State Trauma Advisory Board subcommittee meetings;
 - 3. Except for one historical copy, all copies of data and documents described in subsection (A) and used during an executive session are collected at the end of the executive session and destroyed after the State Trauma Advisory Board or State Trauma Advisory Board subcommittee meeting; and
 - 4. Executive session minutes and all copies of data and documents described in subsection (A) are maintained in a secure area and are accessible only to Department employees who have executed written confidentiality statements.
- C.** The Department shall retain executive session minutes and the data and documents described in subsection (A) for at least 10 years after the last event memorialized in the minutes, data, or documents.

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R9-25-1406. Trauma Registry Data Quality Assurance

- A.** To ensure the completeness and accuracy of trauma registry reporting, a submitting health care institution shall allow the Department to review the following, upon prior notice from the Department of at least five business days:
1. The submitting health care institution's database that includes data regarding cases;
 2. Patient medical records; and
 3. Any record, other than those specified in subsections (A)(1) and (2), that may contain information about diagnostic evaluation or treatment provided to a patient.
- B.** Upon prior notice from the Department of at least five business days, a submitting health care institution shall provide the Department with all of its patient medical records for a time period specified by the Department, to allow the Department to review the patient medical records and determine whether the submitting health care institution has submitted data to the trauma registry for the cases who received medical services within the time period.
- C.** For purposes of subsection (B), the Department considers a submitting health care institution to be in compliance with R9-25-1402(A) if the submitting health care institution submitted the data set identified in Table 1 to the trauma registry for 97% of the cases who received medical services within the time period.
- D.** The Department shall return to a submitting health care institution data not submitted in compliance with R9-25-1402 and shall identify the revisions that are needed to bring the data into compliance with R9-25-1402.
- E.** A submitting health care institution that has trauma registry data returned as provided in subsection (D) shall revise the data as identified by the Department and shall submit the revised data to the Department within 15 business days after the date the Department returned the data or within a longer period agreed upon between the Department and the submitting health care institution.
- F.** Within 15 business days after receiving a written request from the Department that includes a simulated patient medical record, a submitting health care institution shall prepare and submit to the Department the data set identified in Table 1 for the patient described in the simulated patient medical record.